

IN THE SPECIFICATION:

On page 1, before line 1, please add the following new paragraph:

-- Cross Reference to Related Application

This application is a divisional of U.S. Application Serial No. 09/830,380, filed April 25, 2001. --

Please amend the sub-paragraph beginning on page 14, line 15, as follows:

~~figure~~ Figure 3 between a layer of hafnium oxide comprising crystals of hafnium oxide resulting from ion bombardment of the substrate and an amorphous layer according to the invention.

Please amend the sub-paragraph beginning on page 14, line 23, as follows:

Figure 5 is a curve representing the reflection of a mirror component of ~~figure~~ Figure 4 in function of wavelength.

Please amend the paragraph beginning on page 15, line 15, as follows:

Such ~~plots~~ plots are shown in ~~figures~~ Figures 2 and 3.

Please amend the paragraph beginning on page 16, line 1, as follows:

On the other hand, ~~layers~~ curves 8, 9, 10 and 12 reveal diffraction peaks 13 characteristic of crystalline materials.

Please amend the paragraph beginning on page 16, line 12, as follows:

A first embodiment example relates to the production of a mirror 4 at 1064 nm. The ~~component~~ mirror 4 must ensure a reflecting function at 1064 nm under an angle of incidence of 45°. This mirror 4 is produced by a stack of formula 12 (HB) H2B where H represents a mono-layer of thickness 156 nm of HfO₂ and B a mono-layer of 213 nm of SiO₂.

Please amend the paragraph beginning on page 16, line 19, as follows:

A cross-section of this optical ~~component~~ mirror 4 intended to represent the stacking of the layers is shown in ~~figure~~ Figure 4. On a substrate 1, the mirror according to the invention comprises first of all a stack of twelve layers H of amorphous hafnium oxide 2, each alternating with a layer B of silicon oxide 3. It then comprises two layers H of amorphous hafnium oxide 2 and finally a layer B of silicon oxide 3.

Please amend the paragraph beginning on page 18, line 15, as follows:

In [figure] Figure 6, the optical component 6 is shown, with the aim of simplification, with a single example of the two-layer composition comprising a layer of amorphous hafnia 2 alternating with a layer of silicon oxide 3.

Please amend the paragraph beginning on page 18, line 20, as follows:

The curve in ~~figure~~ Figure 7 shows the optical performance of component 6 in terms of percentage of light transmission in the working spectral range expressed in nm. It can be seen that the percentage is very close to 100% within the entire working range. The behaviour of this component under laser flux is shown to be excellent within the utilisation wavelength range.